



SEQUENCE LISTING

<110> Solomon, Aaron
Morimoto, Richard
Beitel, Greg

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<141> 2003-12-16

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305 310 315 320

Arg Arg Gln Ser Leu Val Leu Lys Asp Tyr Cys Arg Pro Lys Pro Leu
325 330 335

Tyr Glu Pro His Tyr Val Arg Ala His Glu Arg Lys Leu Ala Leu Asp
340 345 350

Val Leu Ser Val Ser Ile Asp Ser Thr Pro Lys Gln Ser Lys Asn Ser
355 360 365

Asp Met Val Met Thr Asp Phe Arg Pro Thr Ala Ser Leu Lys Gln Val
370 375 380

Ser Leu Trp Asp Leu Asp Ala Asn Leu Met Ile Arg Pro Val Asn Ile
385 390 395 400

Ser Gly Phe Asp Phe Pro Ala Asp Val Asp Met Tyr Val Arg Ile Glu
405 410 415

Phe Ser Val Tyr Val Gly Thr Leu Thr Leu Ala Ser Lys Ser Thr Thr
420 425 430

Lys Val Asn Ala Gln Phe Ala Lys Trp Asn Lys Glu Met Tyr Thr Phe
435 440 445

Asp Leu Tyr Met Lys Asp Met Pro Pro Ser Ala Val Leu Ser Ile Arg
450 455 460

Val Leu Tyr Gly Lys Val Lys Leu Lys Ser Glu Glu Phe Glu Val Gly
465 470 475 480

Trp Val Asn Met Ser Leu Thr Asp Trp Arg Asp Glu Leu Arg Gln Gly
485 490 495

Gln Phe Leu Phe His Leu Trp Ala Pro Glu Pro Thr Ala Asn Arg Ser
500 505 510

Arg Ile Gly Glu Asn Gly Ala Arg Ile Gly Thr Asn Ala Ala Val Thr
515 520 525

Ile Glu Ile Ser Ser Tyr Gly Gly Arg Val Arg Met Pro Ser Gln Gly
530 535 540

Gln Tyr Thr Tyr Leu Val Lys His Arg Ser Thr Trp Thr Glu Thr Leu
545 550 555 560

Asn Ile Met Gly Asp Asp Tyr Glu Ser Cys Ile Arg Asp Pro Gly Tyr
565 570 575

Lys Lys Leu Gln Met Leu Val Lys Lys His Glu Ser Gly Ile Val Leu
580 585 590

Glu Glu Asp Glu Gln Arg His Val Trp Met Trp Arg Arg Tyr Ile Gln
595 600 605

Lys Gln Glu Pro Asp Leu Leu Ile Val Leu Ser Glu Leu Ala Phe Val
610 615 620

Trp Thr Asp Arg Glu Asn Phe Ser Glu Leu Tyr Val Met Leu Glu Lys
625 630 635 640

Trp Lys Pro Pro Ser Val Ala Ala Ala Leu Thr Leu Leu Gly Lys Arg
645 650 655

Cys Thr Asp Arg Val Ile Arg Lys Phe Ala Val Glu Lys Leu Asn Glu
660 665 670

Gln Leu Ser Pro Val Thr Phe His Leu Phe Ile Leu Pro Leu Ile Gln
675 680 685

Ala Leu Lys Tyr Glu Pro Arg Ala Gln Ser Glu Val Gly Met Met Leu
690 695 700

Leu Thr Arg Ala Leu Cys Asp Tyr Arg Ile Gly His Arg Leu Phe Trp
705 710 715 720

Leu Leu Arg Ala Glu Ile Ala Arg Leu Arg Asp Cys Asp Leu Lys Ser
725 730 735

Glu Glu Tyr Arg Arg Ile Ser Leu Leu Met Glu Ala Tyr Leu Arg Gly
740 745 750

Asn Glu Glu His Ile Lys Ile Ile Thr Arg Gln Val Asp Met Val Asp
755 760 765

Glu Leu Thr Arg Ile Ser Thr Leu Val Lys Gly Met Pro Lys Asp Val
770 775 780

Ala Thr Met Lys Leu Arg Asp Glu Leu Arg Ser Ile Ser His Lys Met
785 790 795 800

Glu Asn Met Asp Ser Pro Leu Asp Pro Val Tyr Lys Leu Gly Glu Met
805 810 815

Ile Ile Asp Lys Ala Ile Val Leu Gly Ser Ala Lys Arg Pro Leu Met
820 825 830

Leu His Trp Lys Asn Lys Asn Pro Lys Ser Asp Leu His Leu Pro Phe
835 840 845

Cys Ala Met Ile Phe Lys Asn Gly Asp Asp Leu Arg Gln Asp Met Leu
850 855 860

Val Leu Gln Val Leu Glu Val Met Asp Asn Ile Trp Lys Ala Ala Asn
865 870 875 880

Ile Asp Cys Cys Leu Asn Pro Tyr Ala. Val Leu Pro Met Gly Glu Met
885 890 895

Ile Gly Ile Ile Glu Val Val Pro Asn Cys Lys Thr Ile Phe Glu Ile
900 905 910

Gln Val Gly Thr Gly Phe Met Asn Thr Ala Val Arg Ser Ile Asp Pro
915 920 925

Ser Phe Met Asn Lys Trp Ile Arg Lys Gln Cys Gly Ile Glu Asp Glu
930 935 940

Lys Lys Lys Ser Lys Lys Asp Ser Thr Lys Asn Pro Ile Glu Lys Lys
945 950 955 960

Ile Asp Asn Thr Gln Ala Met Lys Lys Tyr Phe Glu Ser Val Asp Arg
965 970 975

Phe Leu Tyr Ser Cys Val Gly Tyr Ser Val Ala Thr Tyr Ile Met Gly
980 985 990

Ile Lys Asp Arg His Ser Asp Asn Leu Met Leu Thr Glu Asp Gly Lys
995 1000 1005

Tyr Phe His Ile Asp Phe Gly His Ile Leu Gly His Gly Lys Thr
1010 1015 1020

Lys Leu Gly Ile Gln Arg Asp Arg Gln Pro Phe Ile Leu Thr Glu
1025 1030 1035

His Phe Met Thr Val Ile Arg Ser Gly Lys Ser Val Asp Gly Asn
1040 1045 1050

Ser His Glu Leu Gln Lys Phe Lys Thr Leu Cys Val Glu Ala Tyr
1055 1060 1065

Glu Val Met Trp Asn Asn Arg Asp Leu Phe Val Ser Leu Phe Thr
1070 1075 1080

Leu Met Leu Gly Met Glu Leu Pro Glu Leu Ser Thr Lys Ala Asp
1085 1090 1095

Leu Asp His Leu Lys Lys Thr Leu Phe Cys Asn Gly Glu Ser Lys
1100 1105 1110

Glu Glu Ala Arg Lys Phe Phe Ala Gly Ile Tyr Glu Glu Ala Phe
1115 1120 1125

Asn Gly Ser Trp Ser Thr Lys Thr Asn Trp Leu Phe His Ala Val
1130 1135 1140

Lys His Tyr
1145